



ENERGIZED FENCE DETAIL

NOTES :

A. FENCE STRANDS

1. Permanent pastures may be subdivided with temporary energized fences. Temporary fencing strand or strands will be "twine-type" woven with at least 8 aluminum or stainless steel filaments, or "tape-type" strand that is at least 1/2" wide, woven with at least 5 stainless steel or aluminum filaments.

If wire is used, the 12 1/2 gage, high tensile galvanized steel, or 12 1/2 gage aluminum wire is required. When wire is used for temporary fencing; line post, insulator, and corner specifications will be in accordance with the permanent energized fence standard, code 382

2. Insulated cable -- use galvanized wire with two layers of insulation for underground burial or overhead transmission. Do not use copper or insulated wire due to corrosion factor and tensile strength.

B. POST

Line posts should be used that are reasonably easy to move and have good insulation value. (examples are: fiberglass T-posts, 1 1/2" x 1 1/2" insultimber type posts, 3/8" fiberglass rods, plastic "step-in" type temporary posts, etc.) The spacing and height of posts should be such as to keep the fence strand materials at a height of 30" to 36" throughout.

C. ENERGIZERS

Electronic energizers or power fence controllers will meet the following criteria:

- 1. High power, low impedance with a 5,000 to 6,000 volt peak output with a pulse that is finished within 300 millionths of a second.
2. Have a high impact weather resistant ase.
3. Have safety fuse(s).
4. Must have a lightening arrester.

D. GROUND

All power fences must be grounded. Energizer ground must be connected to a galvanized pipe or rod 3/4" or larger and driven into the ground a minimum of 6'. If soil depth prohibits this 6' depth, two or more galvanized pipes or rods will be used. Ground wires attached to the fence will be the same insulating material as stated in A.2. Do not place ground rods any closer than 10' to any other electrical ground or water pipes. Do not put ground stakes near milking barns, water pipes, or any other metal item leading into the barn or working area. Lightning arresters should be installed on all fence systems, grounding all wires at least every 3,000 feet on the fence.

Date

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